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# ALABASTER CEMENT WALL PLASTER

J. P. CARLILE,

Agent,

COLUMBUS, OHIO.

Manufactured by  
The Alabaster Co.  
Alabaster - Mich.  
Chicago - Ill.~

WALL PAPER

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# ALABASTER CEMENT WALL PLASTER

THE STRONGEST, TOUGHEST AND MOST ELASTIC CEMENT PLASTER ON THE MARKET

OFFICES AT

DETROIT, MICH.

ALABASTER, MICH.

CHICAGO, ILL.

MILLS AT

ALABASTER, MICH.

SOUTH CHICAGO, ILL.

QUARRIES AT

ALABASTER, MICH.

## In the First Place



WE have been in business since 1864. This is our thirty-seventh year. The excellence of our product gave us that early start, and our successful effort to improve it has kept us at the front.

**We are the largest manufacturers of the products of gypsum in America, with an annual capacity of over one hundred and fifty thousand tons of finished material.**

**Alabaster Cement Wall Plaster** is the particular product to which we call your attention. It is the perfection of wall plaster. Every step in its manufacture from nature's products is carried on in our own factories by men experienced in their work.

The absolute knowledge of the nature, age and strength of every ingredient gives us the renowned uniformity of Alabaster.

The purity of the gypsum and our process of manufacture make Alabaster the strongest wall cement made.

The scientific formula used produces a smooth working material as was ever offered to the plasterer.

## How To Use It



**I**N order to secure the best results it is only necessary to exercise caution in selecting a clean sharp sand and to thoroughly mix plaster and sand **before adding water.** After mixing with sand do not allow it to stand but add water at once. The sand itself contains a considerable amount of moisture and the plaster absorbs this if allowed to stand, and thus sets up quicker and does not work as well. Do not temper or mix at one time more than can be applied in one hour.

**For Lath Work,** use two parts, clean sharp sand to one of Alabaster.

**For Brick and Terra Cotta Work,** use three parts, clean sharp sand to one of Alabaster.

**For Wainscoting, where a hard surface is required** use equal parts of clean sharp sand and Alabaster.

**Grounds and Jambs** should be three-quarters of an inch for lath work, one half inch for brick work and three-eighths of an inch for tile work.

**Brick, Stone and Tile Work** should be well sprinkled one hour before plastering, and may be floated before mortar begins to set, **never afterwards.**

**Dry Lath** should be sprinkled one hour before plastering.



QUARRY, ALABASTER, MICH.

## Our Quarry



THE picture on the opposite page gives a view of the north end of the quarry at Alabaster, Mich.

For a distance of nearly half a mile the white face of the rock, averaging twenty feet in depth, stands ready for steam shovels and drills.

As shown by accompanying illustration, it is necessary to remove several feet of earth from the surface. This is done by two modern steam excavators; the earth excavated being carried away by cars and locomotive.

Close behind the shovels come the ever pounding steam drills, driving holes at regular intervals into the rock. Into these holes great quantities of giant powder are placed. Battery blasts are made twice daily, varying in size from 300 to 2,000 tons. The blasted rock is again broken and reduced in size and then transported on our own railroad to the Alabaster Mills, or loaded direct in our own vessels for shipment to the Chicago plant.



MILLS AT SOUTH CHICAGO, ILL.

After  
All



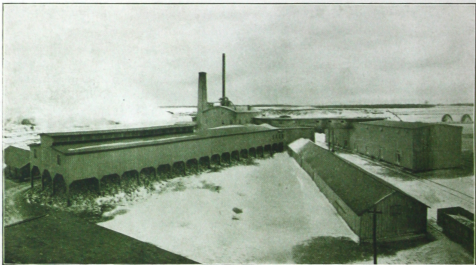
It is strength and quality that tells. In the past year Alabaster has more than doubled its sales. We are trying to repeat the performance and double again this year. The best soon becomes the biggest. The object of all our printed matter, is to get you to **try** Alabaster, not to buy it. We depend on the plaster itself to do the selling.

**This Advertising Stuff** is usually hustled direct to the waste basket. It does its work if you have become interested enough to try even one little bag. By putting Alabaster on a wall you erect a lasting monument to its excellence and durability. A good, solid, sound wall. And better still, you do what we could not accomplish in a mile of talk, **you convince yourself that Alabaster is the perfection of wall plaster**, and from that moment on you erect more monuments of the same kind.

We try to keep this little book out of the basket by making it useful. In the back of it are tables enabling one to find at a glance, the number of yards in any size room. This is valuable to anyone interested in walls. The tables are copyrighted. You will not find them elsewhere.



TRADE MARK.



ALABASTER MILLS, ALABASTER, MICH.



## A Few Testimonials.

**A good way** to learn about Alabaster is to read what a few of its friends say.

**A better way** is to call on them personally. We have dealers in your vicinity who have sold Alabaster for years. They can show it to you on the wall and convince you of its being **always good**. You may notice, by the way, that the firm selling Alabaster is the leading dealer.

**The best way** to learn about Alabaster is to try it yourself. **Then you know.**

THE ALABASTER CO., Chicago, Ill.

*Gentlemen:*—I am familiar with all the hard mortars in use. The tensile strength of any mortar is the real test of quality. Your Alabaster Cement Plaster that I have used has the greatest tensile strength of any of the hard mortar that I have tested. It works well, and I can recommend it as the safest and best hard mortar in use.

Respectfully,

JOSEPH EASTMAN.

MR. EASTMAN is of the firm of Smith & Eastman. They plastered the World's Fair at Chicago with Alabaster and made it white. Now we are shipping boat load after boat load to them at Buffalo, where they are doing this work for the Pan-American Exposition. It is estimated that 15,000 tons will be used. There are five plaster companies within a few miles of the Exposition grounds, and we are 600 miles away. But in a work of this sort where plaster is used *out doors* the very best is required, and Alabaster is used exclusively.

TOLEDO, OHIO, Oct. 6, 1900.

THE ALABASTER COMPANY, Alabaster, Mich.

*Gentlemen:*—Replying to your inquiry regarding Alabaster Cement Mortar, we are pleased to say to you that it is giving excellent satisfaction, making a hard solid wall, and works as well as lime mortar. It was hard to get the plasterers to use it at first, but they are equally as willing to use Alabaster as the old fashioned lime mortar now.

We expect to have an excellent trade on it as the builders get to know it better.

Yours truly,

THE FRED BOICE COMPANY,  
Per B. F. ANDREWS.

COLUMBUS, OHIO, Aug. 10, 1900.

THE ALABASTER COMPANY, Alabaster, Mich.

*Gentlemen:*—Replying to your inquiry as to my opinion of the Alabaster Cement Plaster, beg to state that I consider the Alabaster the very best hard plaster now on the market.

It is popular with the plasterers on account of its easy working qualities, and with the architects and builders on account of its freedom from the defects usually found in plasters, and its general good qualities. In fact, we have architects in this city who insist that no hard plaster other than Alabaster be used on their work.

Having had wide experience in the manufacture, use and sale of hard plaster, I feel particularly competent to pass upon the merits of any hard plaster.

To any dealer wishing to handle a good, first-class hard plaster, that meets with ready sale, I would recommend your product, the Alabaster.

Yours very truly,

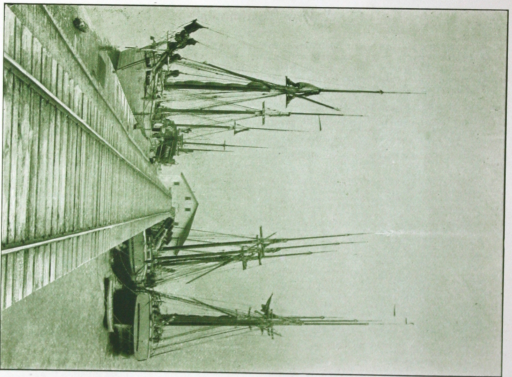
J. P. CARLISLE.

THE ALABASTER COMPANY, Chicago, Ill.

*Gentlemen:*—Replying to your inquiry as to our experience with Alabaster Cement, would say that after handling it for only about six months, the result is, we might say remarkable, considering the numerous and older brands it has had to compete with. In no case has it failed to do all you claim for it, but in almost every instance contractors have pronounced it in all essential points, which go to make up a good hard plaster, superior to anything they have ever used.

Yours very truly,

COOK & BROWN LIME CO.



BOATS LOADING ROCK FOR OUR CHICAGO MILLS.

AKRON, OHIO, Aug. 10, 1900.  
THE ALABASTER COMPANY, Alabaster, Mich.

*Gentlemen:*—Replying to your inquiry regarding our experience in handling hard plaster, and the Alabaster in particular, we wish to state that we have handled many different kinds of hard plaster, and none of them have given the universal satisfaction that the Alabaster has, and is now giving. We are handling this material exclusively at the present time.

Nearly all of the different brands of hard plaster have been or are now being handled in this market, and plasterers report to us and others that your material gives better satisfaction, both as to its working qualities and durability. Any one desiring to handle a first-class hard plaster, that is popular with the builders and contractors, we can sincerely recommend Alabaster.

Yours truly,

AKRON SUPPLY COMPANY,  
W. T. AKERS, Mgr.

THE ALABASTER COMPANY,

1019 Chamber of Commerce Bldg.

*Gentlemen:*—In using many different cement plasters for walls inside of buildings, I find that your Alabaster Cement Wall Plaster gives thorough satisfaction, and I have used it in 28 buildings during the past year. I shall specify it hereafter in all my buildings.

Respectfully,

EDW. C. LABELLE, Architect.

TOLEDO, OHIO, Sept. 10, 1900.

THE ALABASTER COMPANY, Alabaster, Mich.

*Gentlemen:*—Having asked our opinion on your Alabaster Cement, we are pleased to state that we are perfectly satisfied that we undertook to sell your goods in our market. The cement is giving perfect satisfaction with our customers, and every claim which you have made for it appears to have been realized. While this is a new material in this market, we expect to do a good business with it in the future. It appears to us that it works easier than other similar material, and at the same time sets as hard as any other plaster we know of.

Yours truly,

THE KIND & KUHLMANN BUILDERS  
SUPPLY COMPANY,  
Per R. KIND.

THE ALABASTER COMPANY,

Chamber of Commerce Bldg., City.

*Gentlemen:*—In reply to your request for testimonial regarding Alabaster Cement, would state, the two cars which we have used, one on the Studebaker building the other on addition to the Marshall Field retail building, we found as good as any other in the market. It works freely and leaves a good strong wall. We shall, as soon as an opportunity presents itself, use more of your cement.

Very truly yours,

M McNULTY BROS.,

General Contractors.

Dictated T. J. McN.

Ex-Senator T. W. Palmer, of Detroit, Mich., writes as follows:

THE ALABASTER COMPANY, Alabaster, Mich.

*Gentlemen:*—Your Alabaster Cement was used in the Tecumseh Block in this city, and the perfect walls resulting from its use are the best evidence of the strength and splendid qualities of the material which have produced such satisfactory results in the building.

T. W. PALMER.

*Gentlemen:*—The handling of Alabaster Wall Plaster has been most satisfactory to us. For ten years we have been dealing in wall plasters, but have found nothing that seems to have the lasting and fine spreading qualities and can be managed by the mechanic like Alabaster. It is without doubt the wall plaster of the day. Wishing you the success you deserve, we are,

Yours truly, STROH & Co.

THE ALABASTER COMPANY, Chicago, Ill.

*Gentlemen:*—Regarding your inquiry in reference to Alabaster Cement furnished by you in the Columbia Malting Co's. plants at South Chicago, would say that we have used it throughout the plant in about 10,000 yards of plastering. Have found it one of the best plasters used by us for that purpose, and has come up to all that you claimed for it, and we shall certainly use it again wherever we have an opportunity.

Respectfully,

T. NICHOLSON & SONS,

General Contractors.

715. 167 Dearborn St.

DIRECTIONS FOR USING THE FOLLOWING COPYRIGHTED

## PLASTERING TABLES

with which anyone can find at a glance the number of yards plastering in any size room.

These tables give the number of square yards and feet in several thousand sized rooms. **Example**:—To obtain the number of square yards in a room  $12 \times 15 \times 7$  turn to the table giving measurement of rooms with 7 foot ceiling; follow down the column of figures on the left until you come to 12 then follow the figures to the right until you come to the figures directly under the figure 15, at the top of the page; the answer is 62 square yards.

These tables are copyrighted, and are the property of the Alabaster Company.

# Number of Square Yards and Feet in Rooms With 7 Foot Ceiling.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3.	10.3	12.2	14.1	16.0	17.8	19.7	21.6	23.5	25.4	27.3	29.2	31.1	33.0	34.8	36.7	38.6	40.5	42.4	44.3	46.2
4.	12.2	14.2	16.2	18.2	20.2	22.2	24.2	26.2	28.2	30.2	32.2	34.2	36.2	38.2	40.2	42.2	44.2	46.2	48.2	50.2
5.	14.1	16.2	18.3	20.4	22.5	24.6	26.7	28.8	31.0	33.1	35.2	37.3	39.4	41.5	43.6	45.7	47.8	50.0	52.1	54.2
6.	16.0	18.2	20.4	22.6	24.8	27.1	29.3	31.5	33.7	36.0	38.2	40.4	42.6	44.8	47.1	49.3	51.5	53.7	55.8	58.2
7.	17.8	20.2	22.5	24.8	27.2	29.5	31.8	34.2	36.5	38.8	41.2	43.5	45.8	48.2	50.5	52.8	55.2	57.5	59.8	62.2
8.	19.7	22.2	24.6	27.1	29.5	32.0	34.4	36.8	39.3	41.7	44.2	46.6	49.1	51.5	54.0	56.4	58.8	61.3	63.7	66.2
9.	21.6	24.2	26.7	29.3	31.8	34.4	37.0	39.5	42.1	44.6	47.2	49.7	52.3	54.8	57.4	60.0	62.5	65.1	67.6	70.2
10.	23.5	26.2	28.8	31.5	34.2	36.8	39.5	42.2	44.8	47.5	50.2	52.8	55.5	58.2	60.8	63.5	66.2	68.8	71.5	74.2
11.	25.4	28.2	31.0	33.7	36.5	39.3	42.1	44.8	47.6	50.4	53.2	56.0	58.7	61.5	64.3	67.1	69.8	72.6	75.4	78.2
12.	27.3	30.2	33.1	36.0	38.8	41.7	44.6	47.5	50.4	53.3	56.2	59.1	62.0	64.8	67.7	70.6	73.5	76.4	79.3	82.2
13.	29.2	32.2	35.2	38.2	41.2	44.2	47.2	50.2	53.2	56.2	59.2	62.2	65.2	68.2	71.2	74.2	77.2	80.2	83.2	86.2
14.	31.1	34.2	37.3	40.4	43.5	46.6	49.7	52.8	56.0	59.1	62.2	65.3	68.4	71.5	74.6	77.7	80.8	84.0	87.1	90.2
15.	33.0	36.2	39.4	42.6	45.8	49.1	52.3	55.5	58.7	62.0	65.2	68.4	71.6	74.8	78.1	81.3	84.5	87.7	91.0	94.2
16.	34.8	38.2	41.5	44.8	48.2	51.5	54.8	58.2	61.5	64.8	68.2	71.5	74.8	78.2	81.5	84.8	88.2	91.5	94.8	98.2
17.	36.7	40.2	43.6	47.1	50.5	54.0	57.4	60.8	64.3	67.7	71.2	74.6	78.1	81.5	85.0	88.4	91.8	95.3	98.7	102.2
18.	38.6	42.2	45.7	49.3	52.8	56.4	60.0	63.5	67.1	70.6	74.2	77.7	81.3	84.8	88.4	92.0	95.5	99.1	102.6	106.2
19.	40.5	44.2	47.8	51.5	55.2	58.8	62.5	66.2	69.8	73.5	77.2	80.8	84.5	88.2	91.8	95.5	99.2	102.8	106.5	110.2
20.	42.4	46.2	50.0	53.7	57.5	61.3	65.1	68.8	72.6	76.4	80.2	84.0	87.7	91.5	95.3	99.1	102.8	106.6	110.4	114.0
21.	44.3	48.2	52.1	55.8	59.8	63.7	67.6	71.5	75.4	79.3	83.2	87.1	91.0	94.8	98.7	102.6	106.5	110.4	114.3	118.2
22.	46.2	50.2	54.2	58.2	62.2	66.2	70.2	74.2	78.2	82.2	86.2	90.2	94.2	98.2	102.2	106.2	110.2	114.2	118.2	122.2
23.	48.0	52.2	56.3	60.4	64.5	68.6	72.7	76.8	81.0	85.1	89.2	93.3	97.4	101.5	105.6	109.7	113.8	118.0	122.1	126.2
24.	50.0	54.2	58.4	62.6	66.8	71.1	75.3	79.5	83.7	88.0	92.2	96.4	100.6	104.8	109.1	113.3	117.5	121.7	126.0	130.2

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## Number of Square Yards and Feet in Rooms With 7.6 Foot Ceilings.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3.	11.0	13.0	15.0	17.0	19.0	21.0	23.0	25.0	27.0	29.0	31.0	33.0	35.0	37.0	39.0	41.0	43.0	45.0	47.0	49.0
4.	13.0	15.1	17.2	19.3	21.4	23.5	25.6	27.7	29.8	32.0	34.1	36.2	38.3	40.4	42.5	44.6	46.7	49.8	51.0	53.1
5.	15.0	17.2	19.4	21.6	23.8	26.1	28.3	30.5	32.7	35.0	37.2	39.4	41.6	43.8	46.1	48.3	50.5	52.7	55.0	57.2
6.	17.0	19.3	21.6	24.0	26.3	28.6	31.0	33.3	35.6	38.0	40.3	42.6	45.0	47.3	49.6	52.0	54.3	56.6	59.0	61.3
7.	19.0	21.4	23.8	26.3	28.7	31.2	33.6	36.1	38.5	41.0	43.4	45.8	48.3	50.7	53.2	55.6	58.1	60.5	63.0	65.4
8.	21.0	23.5	26.1	28.6	31.2	33.7	36.3	38.8	41.4	44.0	46.5	49.1	51.6	54.2	56.7	59.3	61.8	64.4	67.0	69.5
9.	23.0	25.6	28.3	31.0	33.6	36.3	39.0	41.6	44.3	47.0	49.6	52.3	55.0	57.6	60.3	63.0	65.6	68.3	71.0	73.6
10.	25.0	27.7	30.5	33.3	36.1	38.8	41.6	44.4	47.2	50.0	52.7	55.5	58.3	61.1	63.8	66.6	69.4	72.2	75.0	77.7
11.	27.0	29.8	32.7	35.6	38.5	41.4	44.3	47.2	50.1	53.0	55.8	58.7	61.6	64.5	67.4	70.3	73.2	76.1	79.0	81.8
12.	29.0	32.0	35.0	38.0	41.0	44.0	47.0	50.0	53.0	56.0	59.0	62.0	65.0	68.0	71.0	74.0	77.0	80.0	83.0	86.0
13.	31.0	34.1	37.2	40.3	43.4	46.5	49.6	52.7	55.8	59.0	62.1	65.2	68.3	71.4	74.5	77.6	80.7	84.8	87.0	90.1
14.	33.0	36.2	39.4	42.6	45.8	49.1	52.3	55.5	58.7	62.0	65.2	68.4	71.6	74.8	78.1	81.3	84.5	87.7	91.0	94.2
15.	35.0	38.3	41.6	45.0	48.3	51.6	55.0	58.3	61.6	65.0	68.3	71.6	75.0	78.3	81.6	85.0	88.3	91.6	95.0	98.3
16.	37.0	40.4	43.8	47.3	50.7	54.2	57.6	61.1	64.5	68.0	71.4	74.8	78.3	81.7	85.2	88.6	92.1	95.5	99.0	102.4
17.	39.0	42.5	46.1	49.6	53.2	56.7	60.3	63.8	67.4	71.0	74.5	78.1	81.6	85.2	88.7	92.3	95.8	99.4	103.0	106.5
18.	41.0	44.6	48.3	52.0	55.6	59.3	63.0	66.6	70.3	74.0	77.6	81.2	85.0	88.6	92.3	96.0	99.6	103.3	107.0	110.6
19.	43.0	46.7	50.5	54.3	58.1	61.8	65.6	69.4	73.2	77.0	80.7	84.5	88.3	92.1	95.8	99.6	103.4	107.2	111.0	114.7
20.	45.0	49.8	52.7	56.6	60.5	64.4	68.3	72.2	76.1	80.0	84.8	87.7	91.6	95.5	99.4	103.3	107.2	111.1	115.0	118.8
21.	47.0	51.0	55.0	59.0	63.0	67.0	71.0	75.0	79.0	83.0	87.0	91.0	95.0	99.0	103.0	107.0	111.0	115.0	119.0	123.0
22.	49.0	53.1	57.2	61.3	65.4	69.5	73.6	77.7	81.8	86.0	90.1	94.2	98.3	102.4	106.5	110.6	114.7	118.8	123.0	127.0
23.	51.0	55.2	59.4	63.6	67.8	72.1	76.3	80.5	84.7	89.0	93.2	97.4	101.6	105.8	110.1	114.3	118.5	122.7	127.0	131.2
24.	53.0	57.3	61.6	66.0	70.3	74.6	79.3	80.5	84.7	89.0	93.2	97.4	101.6	105.3	113.6	118.0	122.3	126.6	131.0	135.3

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## Number of Square Yards and Feet in Rooms with 8 Foot Ceilings.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3.	11.6	13.7	15.8	18.0	20.1	22.2	24.3	26.4	28.5	30.6	32.7	34.8	37.0	39.1	41.2	43.3	45.4	47.5	49.6	51.7
4.	13.7	16.0	18.2	20.4	22.6	24.8	27.1	29.3	31.5	33.7	35.0	38.2	40.4	42.6	44.8	47.1	49.3	51.5	53.7	56.0
5.	15.8	18.2	20.5	22.8	25.2	27.5	29.8	32.2	34.5	36.8	39.2	41.5	43.8	46.2	48.5	50.8	53.2	55.5	57.8	60.2
6.	18.0	20.4	22.8	25.3	27.7	30.2	32.6	35.1	37.5	40.0	42.4	44.8	47.3	49.7	52.2	54.6	57.1	59.5	62.0	64.4
7.	20.1	22.6	25.2	27.7	30.3	32.8	35.4	38.0	40.5	43.1	45.6	48.2	50.7	53.3	55.8	58.4	61.0	63.5	66.1	68.9
8.	22.2	24.8	27.5	30.2	32.8	35.5	38.2	40.8	43.5	46.2	48.8	51.5	54.2	56.8	59.5	62.2	64.8	67.5	70.2	72.8
9.	24.3	27.1	29.8	32.6	35.4	38.2	41.0	43.7	46.5	49.3	52.1	54.8	57.6	60.4	63.2	66.0	68.7	71.5	74.3	77.1
10.	26.4	29.3	32.2	35.1	38.0	40.8	43.7	46.6	49.5	52.4	55.3	58.2	61.1	64.0	66.8	69.7	72.6	75.5	78.4	81.3
11.	28.5	31.5	34.5	37.5	40.5	43.5	46.5	49.5	52.5	55.5	58.5	61.5	64.5	67.5	70.5	73.5	76.5	79.5	82.5	85.5
12.	30.6	33.7	36.8	40.0	43.1	46.2	49.3	52.4	55.5	58.6	61.7	64.8	68.0	71.1	74.2	77.3	80.4	83.5	86.6	89.7
13.	32.7	36.0	39.2	42.4	45.6	48.8	52.1	55.3	58.5	61.7	65.0	68.2	71.4	73.6	77.8	81.1	84.3	87.5	90.7	94.0
14.	34.8	38.2	41.5	44.8	48.2	51.5	54.8	58.2	61.5	64.8	68.2	71.5	74.8	78.2	81.5	84.8	88.2	91.5	94.8	98.2
15.	37.0	40.4	43.8	47.3	50.7	54.2	57.6	61.1	64.5	68.0	71.4	74.8	78.3	81.7	85.2	88.6	92.1	95.5	99.0	102.4
16.	39.1	42.6	46.2	49.7	53.3	56.8	60.4	64.0	67.5	71.1	74.6	78.2	81.7	85.3	88.8	92.4	96.0	99.5	103.1	106.6
17.	41.2	44.8	48.5	52.5	55.8	59.5	63.2	66.8	70.5	74.2	77.8	81.5	85.2	88.8	92.5	96.2	99.8	103.5	107.2	110.8
18.	43.3	47.1	50.8	54.6	58.4	62.2	66.0	69.7	73.5	77.3	81.1	84.8	88.6	92.4	96.2	100.0	103.7	107.5	111.3	115.1
19.	45.4	49.3	53.2	57.1	61.0	64.8	68.7	72.6	76.5	80.4	84.3	88.2	92.1	96.0	99.8	103.7	107.6	111.5	115.4	119.3
20.	47.5	51.5	55.5	59.5	63.5	67.5	71.5	75.5	79.5	83.5	87.5	91.5	95.5	99.5	103.5	107.5	111.5	115.4	119.5	123.5
21.	49.6	53.7	57.8	62.0	66.1	70.2	74.3	78.4	82.5	86.6	90.7	94.8	99.0	103.1	107.2	111.3	115.4	119.5	123.6	127.7
22.	51.7	56.0	60.2	64.4	68.8	72.8	77.1	81.3	85.5	89.7	94.0	98.2	102.4	106.6	110.8	115.1	119.3	123.5	127.7	132.0
23.	53.8	58.2	62.5	66.8	71.2	75.5	79.8	84.2	88.5	92.8	97.2	101.5	105.8	110.2	114.5	118.8	123.2	127.5	131.8	136.2
24.	56.0	60.4	64.8	69.3	73.7	78.2	82.6	87.1	91.5	96.0	100.4	104.8	109.3	113.7	118.2	122.6	127.1	131.5	136.0	140.4

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## Number of Square Yards and Feet in Rooms with 8.6 Foot Ceilings.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3.	12.3	14.5	16.7	19.0	21.2	23.4	25.6	27.8	30.1	32.2	34.5	36.7	39.0	41.2	43.4	45.6	47.8	50.1	52.3	54.5
4.	14.5	16.8	19.2	21.5	23.8	26.2	28.5	30.8	33.2	35.5	37.8	40.2	42.5	44.8	47.2	49.5	51.8	54.2	56.5	58.8
5.	16.7	19.2	21.6	24.1	26.5	29.0	31.4	33.8	36.3	38.7	41.2	43.6	46.1	48.5	51.0	53.4	55.8	58.3	60.7	63.2
6.	19.0	21.5	24.1	26.6	29.2	31.7	34.3	36.8	39.4	42.0	44.5	47.1	49.6	52.5	54.7	57.3	59.8	62.4	65.0	67.5
7.	21.2	23.8	26.5	29.2	31.8	34.5	37.2	39.8	42.5	45.2	47.8	50.5	53.2	55.8	58.5	61.2	63.8	66.5	69.2	71.8
8.	23.4	26.2	29.0	31.7	34.5	37.3	40.1	42.8	45.6	48.4	51.2	54.0	56.7	59.5	62.3	65.1	67.8	70.6	73.4	76.2
9.	25.6	28.5	31.4	34.3	37.2	40.1	43.0	45.8	48.7	51.6	54.5	57.4	60.3	63.2	66.1	69.0	71.8	74.7	77.6	80.5
10.	27.8	30.8	33.8	36.8	39.8	42.8	45.8	48.8	51.8	54.8	57.8	60.8	63.8	66.8	69.8	72.8	75.8	78.8	81.8	84.8
11.	30.1	33.2	36.3	39.4	42.5	45.6	48.7	51.8	55.0	58.1	61.2	64.3	67.4	70.5	73.6	76.7	79.8	83.0	86.1	89.2
12.	32.2	35.5	38.7	42.0	45.2	48.4	51.6	54.8	58.1	61.3	64.5	67.7	71.0	74.2	77.4	80.6	83.8	87.1	90.3	93.5
13.	34.5	37.8	41.2	44.5	47.8	51.2	54.5	57.8	61.2	64.5	67.8	71.2	74.5	77.8	81.2	84.5	87.8	91.2	94.5	97.8
14.	36.7	40.2	43.6	47.1	50.5	54.0	57.4	60.8	64.3	67.7	71.2	74.6	78.1	81.5	85.0	88.4	91.8	95.3	98.7	102.2
15.	39.0	42.5	46.1	49.6	53.2	56.7	60.3	63.8	67.4	71.0	74.5	78.1	81.6	85.2	88.7	92.3	95.8	99.4	103.0	106.5
16.	41.2	44.8	48.5	52.2	55.8	59.5	63.2	66.8	70.5	74.2	77.8	81.5	85.2	88.8	92.5	96.2	99.8	103.5	107.2	110.8
17.	43.4	47.2	51.0	54.7	58.5	62.3	66.1	69.8	73.6	77.4	81.2	85.0	88.7	92.5	96.3	100.1	103.8	107.6	111.4	115.2
18.	45.6	49.5	53.4	57.3	61.2	65.1	69.0	72.8	76.7	80.6	84.5	88.4	92.3	96.2	100.1	104.0	107.8	111.7	115.6	119.5
19.	47.8	51.8	55.8	59.8	63.8	67.8	71.8	75.8	79.8	83.8	87.8	91.8	95.8	99.8	103.8	107.8	111.8	115.8	119.8	123.8
20.	50.1	54.2	58.3	62.4	66.5	70.6	74.7	78.8	83.0	87.1	91.2	95.3	99.4	103.5	107.6	111.7	115.8	120.0	124.1	128.2
21.	52.3	56.5	60.7	65.0	69.2	73.4	77.6	81.8	86.1	90.3	94.5	98.7	103.0	107.2	111.4	115.6	119.8	124.1	128.3	132.5
22.	54.5	58.8	63.2	67.5	71.8	76.2	80.5	84.8	89.2	93.5	97.8	102.2	106.5	110.8	115.2	119.5	123.8	128.2	132.5	136.8
23.	56.7	61.2	65.6	70.1	74.5	79.0	83.4	87.8	92.3	96.7	101.2	105.6	110.1	114.5	119.1	123.4	127.8	132.3	136.7	141.2
24.	59.0	63.5	68.1	72.6	77.2	81.7	86.3	90.8	95.4	100.0	104.5	109.1	113.6	118.2	122.7	127.3	131.8	136.4	141.0	145.5

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## Number of Square Yards and Feet in Rooms with 9 Foot Ceilings.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3.	13.0	15.3	17.6	20.0	22.3	24.6	27.0	29.3	31.6	34.0	36.3	38.6	41.0	43.3	45.6	48.0	50.3	52.6	55.0	57.3
4.	15.3	17.7	20.2	22.6	25.1	27.5	30.0	32.4	34.8	37.3	39.7	42.2	44.6	47.1	49.5	52.0	54.4	56.8	59.3	61.7
5.	17.6	20.2	22.7	25.3	27.8	30.4	33.0	35.5	38.1	40.6	43.2	45.7	48.3	50.8	53.4	56.0	58.5	61.1	63.6	66.2
6.	20.0	22.6	25.3	28.0	30.6	33.3	36.0	38.6	41.3	44.0	46.6	49.3	52.0	54.6	57.3	60.0	63.5	65.4	68.0	70.6
7.	22.3	25.1	27.8	30.6	33.4	36.2	39.0	41.7	44.5	47.3	50.1	52.8	55.6	58.4	61.2	64.0	66.7	69.5	72.3	75.1
8.	24.6	27.5	30.4	33.3	36.2	39.1	42.0	44.8	47.7	50.6	53.5	56.4	59.3	62.2	65.1	68.0	70.8	73.7	76.6	79.5
9.	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0	51.0	54.0	57.0	60.0	63.0	66.0	69.0	72.0	75.0	78.0	81.0	84.0
10.	29.3	32.4	35.5	38.6	41.7	44.8	48.0	52.0	54.2	57.3	60.4	63.5	66.6	69.7	72.8	76.0	79.1	82.2	85.3	88.4
11.	31.6	34.8	38.1	41.3	44.5	47.7	51.0	54.2	57.4	60.6	63.8	67.1	70.3	73.5	76.7	80.0	83.2	86.4	89.6	92.8
12.	34.0	37.3	40.6	44.0	47.3	50.6	54.0	57.3	60.6	64.0	67.3	70.6	74.0	77.3	80.6	84.0	87.3	90.6	94.0	97.3
13.	36.3	39.7	43.2	46.6	50.1	53.5	57.0	60.4	63.8	67.3	70.7	74.2	77.6	81.1	84.5	88.0	91.4	94.8	98.3	101.7
14.	38.6	42.2	45.7	49.3	52.8	56.4	60.0	63.5	67.1	70.6	74.2	77.7	81.3	84.8	88.4	92.0	95.5	99.1	102.6	106.2
15.	41.0	44.6	48.3	52.0	55.6	59.3	63.0	66.6	70.3	74.0	77.6	81.3	85.0	88.6	92.3	96.0	99.6	103.3	107.0	111.6
16.	43.3	47.1	50.8	54.6	58.4	62.2	66.0	69.7	73.5	77.3	81.1	84.8	88.6	92.4	96.2	100.0	103.7	107.5	111.3	115.1
17.	45.6	49.5	53.4	57.3	61.2	65.1	69.0	72.8	76.7	80.6	84.5	88.4	92.3	96.2	100.4	104.0	107.8	111.7	115.6	119.5
18.	48.0	52.0	56.0	60.0	64.0	68.0	72.0	76.0	80.0	84.0	88.0	92.0	96.0	100.0	104.0	108.0	112.0	116.0	120.0	124.0
19.	50.3	54.4	58.5	62.6	66.7	70.8	74.9	79.1	83.2	87.3	91.4	95.5	99.6	103.7	107.8	112.0	116.1	120.2	124.3	128.4
20.	52.6	56.8	61.1	65.3	69.5	73.7	78.0	82.2	86.4	90.6	94.8	99.1	103.3	107.5	111.7	116.0	120.2	124.4	128.6	132.8
21.	55.0	59.3	63.6	68.0	72.3	76.6	81.0	85.3	89.6	94.0	98.3	102.6	107.0	111.3	115.6	120.0	124.3	128.6	133.0	137.3
22.	57.3	61.7	66.2	70.6	75.1	79.5	84.0	88.4	92.8	97.3	101.7	106.2	111.6	115.1	121.5	124.0	128.4	132.8	137.3	141.7
23.	59.6	64.2	68.7	73.3	77.8	82.4	87.0	91.5	95.1	100.6	105.2	109.7	114.3	118.8	123.4	128.0	132.5	137.0	141.6	146.2
24.	62.0	66.6	71.3	76.0	80.6	85.3	90.0	94.6	99.3	104.0	108.6	113.3	118.0	122.6	127.3	132.0	136.6	141.3	146.0	150.6

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## Number of Square Yards and Feet in Rooms with 9.6 Foot Ceilings.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3.	13.6	16.1	18.5	21.0	23.4	25.8	28.3	30.7	33.2	35.6	38.1	40.5	43.0	45.4	47.8	50.3	52.7	55.2	57.6	60.1
4.	16.1	18.6	21.2	23.7	26.3	28.8	31.4	34.0	36.5	39.1	41.6	44.2	46.7	49.3	51.8	54.4	57.0	59.5	62.1	64.6
5.	18.5	21.2	23.8	26.5	29.2	31.8	34.5	37.2	39.8	42.5	45.2	47.8	50.5	53.2	55.8	58.5	61.2	63.8	66.5	69.2
6.	21.0	23.7	26.5	29.3	32.1	34.8	37.6	40.4	43.2	46.0	48.7	51.5	54.3	57.1	59.8	62.6	65.4	68.2	71.0	73.7
7.	23.4	26.3	29.2	32.1	35.0	37.8	40.7	43.6	46.5	49.4	52.3	55.2	58.1	61.0	63.8	66.7	69.6	72.5	75.4	78.3
8.	25.8	28.8	31.8	34.8	37.8	40.8	43.8	46.8	49.8	52.8	55.8	58.8	61.8	64.8	67.8	70.8	73.8	76.8	79.8	82.8
9.	28.3	31.4	34.5	37.6	40.7	43.8	47.0	50.1	53.2	56.3	59.4	62.5	65.6	68.7	71.8	75.0	78.1	81.2	84.3	87.4
10.	30.7	34.0	37.2	40.4	43.6	46.8	50.1	53.3	56.5	59.7	63.0	66.2	69.4	72.6	75.8	79.1	82.3	85.5	88.7	92.0
11.	33.2	36.5	39.8	43.2	46.5	49.8	53.2	56.5	59.8	63.2	66.5	69.8	73.2	76.5	79.8	83.2	86.5	89.8	93.2	96.5
12.	35.6	39.1	42.5	46.0	49.4	52.8	56.3	59.7	63.2	66.5	70.1	73.5	77.0	80.4	83.8	87.3	90.7	94.2	97.6	101.1
13.	38.1	41.6	45.2	48.7	52.3	55.8	59.4	63.0	66.5	70.1	73.6	77.2	80.7	84.3	87.8	91.4	95.0	98.5	102.1	105.6
14.	40.5	44.2	47.8	51.5	55.2	58.8	62.5	66.2	69.8	73.5	77.2	80.8	84.5	88.2	91.8	95.5	99.2	102.8	106.5	110.2
15.	43.0	46.7	50.5	54.3	58.1	61.8	65.6	69.4	73.2	77.0	80.7	84.5	88.3	92.1	95.8	99.6	103.4	107.2	111.0	114.7
16.	45.4	49.3	53.2	57.1	61.0	64.8	68.7	72.6	76.5	80.4	84.3	88.2	92.1	96.0	99.8	103.7	107.6	111.5	115.4	119.3
17.	47.8	51.8	55.8	59.8	63.8	67.8	71.8	75.8	79.8	83.8	87.8	91.8	95.8	99.8	103.8	107.8	111.8	115.8	119.8	123.8
18.	50.3	54.4	58.5	62.6	66.7	70.8	75.0	79.1	83.2	87.3	91.4	95.5	99.6	103.7	107.8	112.0	116.1	120.2	124.3	128.4
19.	52.7	57.0	61.2	65.4	69.6	73.8	78.1	82.3	86.5	90.7	95.0	99.0	103.4	107.6	111.8	116.1	120.3	124.5	128.7	133.0
20.	55.2	59.5	63.8	68.2	72.5	76.8	81.2	85.5	89.8	94.2	98.5	102.8	107.2	111.5	115.8	120.2	124.5	128.8	133.2	137.5
21.	57.6	62.1	66.5	71.0	75.4	79.8	84.3	88.7	93.2	97.6	102.1	106.5	111.0	115.4	119.8	124.3	128.7	133.2	137.6	142.1
22.	60.1	64.6	69.2	73.7	78.3	82.8	87.4	92.0	96.5	101.1	105.6	110.2	114.7	119.3	123.8	128.4	133.0	137.5	142.1	146.6
23.	62.5	67.2	71.8	76.5	81.2	85.8	90.5	95.2	99.8	104.5	109.2	113.8	118.5	123.2	127.8	132.5	137.2	141.8	146.5	151.2
24.	65.0	69.7	74.5	79.3	84.1	88.8	93.6	98.4	103.2	108.0	112.7	117.5	122.3	127.1	131.8	136.6	141.4	146.2	151.0	155.7

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## Number of Square Yards and Feet in Rooms with 10 Foot Ceilings.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3.	14.3	16.8	19.4	22.0	24.5	27.1	29.6	32.2	34.7	37.3	39.8	42.4	45.0	47.5	50.1	52.6	55.2	57.7	60.3	62.8
4.	16.8	19.5	22.2	24.8	27.5	30.2	32.8	35.5	38.2	40.8	43.5	46.2	48.8	51.5	54.2	56.8	59.5	62.2	64.8	67.5
5.	19.4	22.2	25.0	27.7	30.5	33.3	36.1	38.8	41.6	44.4	47.2	50.0	52.7	55.5	58.3	61.1	63.8	66.6	69.4	72.2
6.	22.0	24.8	27.7	30.6	33.5	36.4	39.3	42.2	45.1	48.0	50.8	53.7	56.6	59.5	62.4	65.3	68.2	71.1	74.0	76.8
7.	24.5	27.5	30.5	33.5	36.5	39.5	42.5	45.5	48.5	51.5	54.5	57.5	60.5	63.5	66.5	69.5	72.5	75.5	78.5	81.5
8.	27.1	30.2	33.3	36.4	39.5	42.6	45.7	48.8	52.0	55.1	58.2	61.3	64.4	67.5	70.6	73.7	76.8	80.0	83.1	86.2
9.	29.6	32.8	36.1	39.3	42.5	45.7	49.0	52.2	55.4	58.6	61.8	65.1	68.3	71.5	74.7	78.0	81.2	84.4	87.6	90.8
10.	32.3	35.5	38.8	42.2	45.5	48.8	52.2	55.5	58.8	62.2	65.5	68.8	72.2	75.5	78.8	82.2	85.5	88.8	92.2	95.5
11.	34.7	38.2	41.6	45.1	48.5	52.0	55.4	58.8	62.3	65.7	69.2	72.6	76.1	79.5	83.0	86.4	89.8	93.3	96.7	100.2
12.	37.3	40.8	44.4	48.0	51.5	55.1	58.6	62.2	65.7	69.3	72.8	76.4	80.0	83.5	87.1	90.6	94.2	97.7	101.3	104.8
13.	39.8	43.5	47.2	50.8	54.5	58.2	61.8	65.5	69.2	72.8	76.5	80.2	83.8	87.5	91.2	94.8	98.5	102.2	105.8	109.5
14.	42.4	46.2	50.0	53.7	57.5	61.3	65.1	68.8	72.6	76.4	80.2	84.0	87.7	91.5	95.3	99.1	102.8	106.6	110.4	114.2
15.	45.0	48.8	52.7	56.6	60.5	64.4	68.3	72.2	76.1	80.0	83.8	87.7	91.6	95.5	99.4	103.3	107.2	111.1	115.0	118.8
16.	47.5	51.5	55.5	59.5	63.5	67.5	71.5	75.5	79.5	83.5	87.5	91.5	95.5	99.5	103.5	107.5	111.5	115.5	119.5	123.5
17.	50.1	54.2	58.3	62.4	66.5	70.6	74.7	78.8	83.0	87.1	91.2	95.3	99.4	103.5	107.6	111.7	115.8	119.9	124.1	128.2
18.	52.6	56.8	61.1	65.3	69.5	73.7	78.0	82.2	86.4	90.6	94.8	99.1	103.3	107.5	111.7	116.0	120.2	124.4	128.6	132.8
19.	55.2	59.5	63.8	68.2	72.5	76.8	81.2	85.5	89.8	94.2	98.5	102.8	107.2	111.5	115.8	120.2	124.5	128.8	133.2	137.5
20.	57.7	62.2	66.6	71.1	75.5	80.0	84.4	88.8	93.3	97.7	102.2	106.6	111.1	115.5	120.0	124.4	128.8	133.3	137.7	142.2
21.	60.3	64.8	69.4	74.0	78.5	83.1	87.6	92.2	96.7	101.3	105.8	110.4	115.0	119.5	124.1	128.6	133.2	137.7	142.3	146.8
22.	62.8	67.5	72.2	76.8	81.5	86.2	90.8	95.5	100.2	104.8	109.5	114.2	118.8	123.5	128.2	132.8	137.5	142.2	146.8	151.5
23.	65.4	70.2	75.0	79.7	84.5	89.3	94.1	98.8	103.6	108.4	113.2	118.0	122.7	127.5	132.3	137.1	141.8	146.6	151.4	156.2
24.	68.0	72.8	77.7	82.6	87.5	92.4	97.3	102.2	107.1	112.1	117.0	121.9	126.8	131.7	136.6	141.5	146.4	151.3	156.2	161.1

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## Number of Square Yards and Feet in Rooms with 10.6 Foot Ceilings.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3.	15.0	17.6	20.3	23.0	25.6	28.3	31.0	33.6	36.3	39.0	41.6	44.3	47.0	49.6	52.3	55.0	57.6	60.3	63.0	55.6
4.	17.6	20.4	23.2	26.0	28.7	31.5	34.3	37.1	39.8	42.6	45.4	48.2	51.0	53.7	56.5	59.3	62.1	64.8	67.6	70.4
5.	20.3	23.2	26.1	29.0	31.8	34.7	37.6	40.5	43.4	46.3	49.2	52.1	55.0	57.8	60.7	63.6	66.5	69.4	72.3	75.2
6.	23.0	26.0	29.0	32.0	35.0	38.0	41.0	44.0	47.0	50.0	53.0	56.0	59.0	62.0	65.0	68.0	71.0	74.0	77.0	80.0
7.	25.6	28.7	31.8	35.0	38.1	41.2	44.3	47.4	50.5	53.5	56.7	59.8	63.0	66.1	69.2	72.3	75.4	78.5	81.6	84.7
8.	28.3	31.5	34.7	38.0	41.2	44.4	47.6	50.8	54.1	57.3	60.5	63.7	67.0	70.2	73.4	76.6	79.8	83.1	86.3	89.5
9.	31.0	34.3	37.6	41.0	44.3	47.6	51.0	54.3	57.6	61.0	64.3	67.6	71.0	74.3	77.6	81.0	84.3	87.6	91.0	94.3
10.	33.6	37.1	40.5	44.0	47.4	50.8	54.3	57.7	61.2	64.6	68.1	71.5	75.0	78.4	81.8	85.3	88.7	92.2	95.6	99.1
11.	36.3	39.8	43.4	47.0	50.5	54.1	57.6	61.2	64.7	68.3	71.8	75.4	79.0	82.5	86.1	89.6	93.2	96.7	100.3	103.8
12.	39.0	42.6	46.3	50.0	53.6	57.3	61.0	64.6	68.3	72.0	75.6	79.3	83.0	86.6	90.3	94.0	97.6	101.3	105.0	108.6
13.	41.6	45.4	49.2	53.0	56.7	60.5	64.3	68.1	71.8	75.6	79.4	83.2	87.0	90.7	94.5	98.3	102.1	105.8	109.6	113.4
14.	44.3	48.2	52.1	56.0	59.8	63.7	67.6	71.5	75.4	79.3	83.2	87.1	91.0	94.8	98.7	102.6	106.5	110.4	114.3	118.2
15.	47.0	51.0	55.0	59.0	63.0	67.0	71.0	75.0	79.0	83.0	87.0	91.0	95.0	99.0	103.0	107.0	111.0	115.0	119.0	123.0
16.	49.6	53.7	57.8	62.0	66.1	70.2	74.3	78.4	82.5	86.6	90.7	94.8	99.0	103.1	107.2	111.3	115.4	119.5	123.6	127.7
17.	52.3	56.5	60.7	65.0	69.2	73.4	77.6	81.8	86.1	90.3	94.5	98.7	103.0	107.2	111.4	115.6	119.8	124.1	128.3	132.5
18.	55.0	59.3	63.6	68.0	72.3	76.6	81.0	85.3	89.6	94.0	98.3	102.6	107.0	111.3	115.6	120.0	124.3	128.6	133.0	137.3
19.	57.6	62.1	66.5	71.0	75.4	79.8	84.3	88.7	93.2	97.6	102.1	106.5	111.0	115.4	119.8	124.3	128.7	133.2	137.6	142.1
20.	60.3	64.8	69.4	74.0	78.5	83.1	87.6	92.2	96.7	101.3	105.8	110.4	115.0	119.5	124.1	128.6	133.2	137.7	142.3	146.8
21.	63.0	67.6	72.3	77.0	81.6	86.3	91.0	95.6	100.3	105.0	109.6	114.3	119.0	123.6	128.3	133.0	137.6	142.3	147.0	151.6
22.	55.6	70.4	75.2	80.0	84.7	89.5	94.3	99.1	103.8	108.6	113.4	118.2	123.0	127.7	132.5	137.3	142.1	146.8	151.6	156.4
23.	68.3	73.2	78.1	83.0	87.8	92.7	97.6	102.5	107.4	112.3	117.2	122.1	127.0	131.8	136.7	141.6	146.5	151.4	156.3	161.2
24.	71.0	76.0	81.0	86.0	91.0	96.0	101.0	106.0	111.0	116.0	121.0	126.0	131.0	136.0	141.0	146.0	151.0	156.0	161.0	166.0

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## Number of Square Yards and Feet in Rooms with 11 Foot Ceilings.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3.	15.6	18.4	21.2	24.0	26.7	29.5	32.3	35.1	37.8	40.6	43.4	46.2	49.0	51.7	54.5	57.3	60.1	62.8	65.6	68.4
4.	18.4	21.3	24.2	27.1	30.0	32.8	35.7	38.6	41.5	44.4	47.3	50.2	53.1	56.0	58.8	61.7	64.6	67.5	70.4	73.6
5.	21.2	24.2	27.2	30.2	33.2	36.2	39.2	42.2	45.2	48.2	51.2	54.2	57.2	60.2	63.2	66.2	69.2	72.2	75.2	78.2
6.	24.0	27.1	30.2	33.3	36.4	39.5	42.6	45.7	48.8	52.0	55.1	58.2	61.3	64.4	67.5	70.6	73.7	76.8	80.0	83.1
7.	26.7	30.0	33.2	36.4	39.6	42.8	46.1	49.3	52.5	55.7	59.0	62.2	65.4	68.6	71.8	75.1	78.3	81.5	84.7	88.0
8.	29.5	32.8	36.2	39.5	42.8	46.2	49.5	52.8	56.2	59.5	62.8	66.2	69.5	72.8	76.2	79.5	82.8	86.2	89.5	92.8
9.	32.3	35.7	39.2	42.6	46.1	49.5	53.0	56.4	59.8	63.3	66.7	70.2	73.6	77.1	80.5	84.0	87.4	90.8	94.3	96.7
10.	35.1	38.6	42.2	45.7	49.3	52.8	56.4	60.0	63.5	67.1	70.6	74.2	77.7	81.3	84.8	88.4	92.0	95.5	99.1	102.6
11.	37.8	41.5	45.2	48.8	52.5	56.2	59.8	63.5	67.2	70.8	74.5	78.2	81.8	85.5	89.2	92.8	96.5	100.2	103.8	107.5
12.	40.6	44.4	48.2	52.0	55.7	59.5	63.3	67.1	70.8	74.6	78.4	82.2	86.0	89.7	93.5	97.3	101.1	104.8	108.6	112.4
13.	43.4	47.3	51.2	55.1	59.0	62.8	66.7	70.6	74.5	78.4	82.3	86.2	90.1	94.0	97.8	101.7	105.6	109.5	113.4	117.3
14.	46.2	50.2	54.2	58.2	62.2	66.2	70.2	74.2	78.2	82.2	86.2	90.2	94.2	98.2	102.2	106.2	110.2	114.2	118.2	122.2
15.	49.0	53.1	57.2	61.3	65.4	69.5	73.6	77.7	81.8	86.0	90.1	94.2	98.3	102.4	106.5	110.6	114.7	118.8	123.0	127.1
16.	51.7	56.0	60.2	64.4	68.6	72.8	77.1	81.3	85.5	89.7	94.0	98.2	102.4	106.6	110.8	115.1	119.3	123.5	127.7	132.0
17.	54.5	58.8	63.2	67.5	71.8	76.2	80.5	84.8	89.2	93.5	97.8	102.2	106.5	110.8	115.2	119.5	123.8	128.2	132.5	136.8
18.	57.3	61.7	66.2	70.6	75.1	79.5	84.0	88.4	92.8	97.3	101.7	106.2	110.6	115.1	119.5	124.0	128.4	132.8	137.3	141.7
19.	60.1	64.6	69.2	73.7	78.3	82.8	87.4	92.0	96.5	101.1	105.6	110.2	114.7	119.3	123.8	128.4	133.0	137.5	142.1	146.6
20.	62.8	67.5	72.2	76.8	81.5	86.2	90.8	95.5	100.2	104.8	109.5	114.2	118.8	123.5	128.2	132.8	137.5	142.2	146.8	151.5
21.	65.6	70.4	75.2	80.0	84.7	89.5	94.3	99.1	103.8	108.6	113.4	118.2	123.0	127.7	132.5	137.3	142.1	146.8	151.6	156.4
22.	68.4	73.3	78.2	83.1	88.0	92.8	97.7	102.6	107.5	112.4	117.3	122.2	127.1	132.0	136.8	141.7	146.6	151.5	156.4	161.3

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## Number of Square Yards and Feet in Rooms with 12 Foot Ceilings.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3.	17.0	20.0	23.0	26.0	29.0	32.0	35.0	38.0	41.0	44.0	47.0	50.0	53.0	56.0	59.0	62.0	65.0	68.0	71.0	74.0
4.	20.0	23.1	26.2	29.3	32.4	35.5	38.6	41.7	44.8	48.0	51.1	54.2	57.3	60.4	63.5	66.6	69.7	72.8	76.0	79.1
5.	23.0	26.2	29.4	32.6	35.8	39.1	42.3	45.5	48.7	52.0	55.2	58.4	61.6	64.8	68.1	71.3	74.5	77.7	81.0	84.2
6.	26.0	29.3	32.6	36.0	39.3	42.6	46.0	49.3	52.6	56.0	59.3	62.6	66.0	69.3	72.6	76.0	79.3	82.6	86.0	89.3
7.	29.0	32.4	35.8	39.3	42.7	46.2	49.6	53.1	56.5	60.0	63.4	66.8	70.3	73.7	77.2	80.6	84.4	87.5	91.0	94.4
8.	32.0	35.5	39.1	42.6	46.2	49.7	53.3	56.8	60.4	64.0	67.5	71.1	74.6	78.2	81.7	85.3	88.8	92.4	96.0	99.5
9.	35.0	38.6	42.3	46.0	49.0	53.3	57.0	60.6	64.3	68.0	71.6	75.3	79.0	82.6	86.3	90.0	93.6	97.3	101.0	104.6
10.	38.0	41.7	45.5	49.3	53.0	56.8	60.0	64.4	68.2	72.0	75.7	79.5	83.3	87.1	90.8	94.6	98.4	102.2	106.0	109.7
11.	41.0	44.8	48.7	52.6	56.5	60.4	64.3	68.2	72.1	76.0	79.8	83.7	87.6	91.5	95.4	99.3	103.2	107.1	111.0	114.8
12.	44.0	48.0	52.0	56.0	60.0	64.0	68.0	72.0	76.0	80.0	84.0	88.0	92.0	96.0	100.0	104.0	108.0	112.0	116.0	120.0
13.	47.0	51.1	55.2	59.3	63.4	67.5	71.6	75.7	79.8	84.0	88.1	92.2	96.3	100.4	104.5	108.6	112.7	116.8	121.0	125.1
14.	50.0	54.2	58.4	62.6	66.8	71.1	75.3	79.5	83.7	88.0	92.2	96.4	100.6	104.8	109.1	113.3	117.5	121.7	126.0	130.2
15.	53.0	57.3	61.6	66.0	70.3	74.6	79.0	83.3	87.6	92.0	96.3	100.6	105.0	109.3	113.6	118.0	122.3	126.6	131.0	135.3
16.	56.0	60.4	64.8	69.3	73.7	78.2	82.6	87.1	91.5	96.0	100.4	104.8	109.3	113.7	118.2	122.6	127.1	131.5	136.0	140.4
17.	59.0	63.5	68.1	72.6	77.2	81.7	86.3	90.8	95.4	100.0	104.5	109.1	113.6	118.2	122.7	127.3	131.8	136.4	141.0	145.5
18.	62.0	66.6	71.3	76.0	80.6	85.3	90.0	94.6	99.3	104.0	108.6	113.3	118.0	122.6	127.3	132.0	136.6	141.3	146.0	150.6
19.	65.0	69.7	74.5	79.3	84.1	88.8	93.6	98.4	103.2	108.0	112.7	117.5	122.3	127.1	131.8	136.6	141.4	146.2	151.0	155.7
20.	68.0	72.8	77.7	82.6	87.5	92.4	97.3	102.2	107.1	112.0	116.8	121.7	126.6	131.5	136.4	141.3	146.2	151.1	156.0	160.8
21.	71.0	76.0	81.0	86.0	91.0	96.0	101.0	106.0	111.0	116.0	121.0	126.0	131.0	136.0	141.0	146.0	151.0	156.0	161.0	166.0
22.	74.0	79.1	84.2	89.3	94.4	99.5	104.6	109.7	114.8	120.0	125.1	130.2	135.3	140.4	145.5	150.6	155.7	160.8	166.0	171.1

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## Lumber Table.—Feet Long.

Size.	8	10	12	14	16	18	20	22	24	26	28	30
2 x 4	5½	6¾	8	9½	10¾	12	13½	14¾	16	17½	18¾	20
2 x 6	8	10	12	14	16	18	20	22	24	26	28	30
2 x 8	10½	13½	16	18¾	21½	24	26¾	29½	32	34¾	37½	40
2 x 10	13½	16¾	20	23½	26¾	30	33½	36¾	40	43½	46¾	50
2 x 12	16	20	24	28	32	36	40	44	48	52	56	60
3 x 6	12	15	18	21	24	27	30	33	36	39	42	45
3 x 8	16	20	24	28	32	36	40	44	48	52	56	60
3 x 10	20	25	30	35	40	45	50	55	60	65	70	75
3 x 12	24	30	36	42	48	54	60	66	72	78	84	90
4 x 4	10¾	13½	16	18¾	21½	24	26¾	29½	32	34¾	37½	40
4 x 6	16	20	24	28	32	36	40	44	48	52	56	60
6 x 6	24	30	36	42	48	54	60	66	72	78	84	90
6 x 8	32	40	48	56	64	72	80	88	96	104	112	120
6 x 8	12¾	53½	64	74¾	85½	96	103¾	117½	128	138¾	147½	160
8 x 10	53½	66¾	80	93½	106¾	120	133½	146¾	160	173½	186¾	200
10 x 10	66¾	83½	100	116¾	123½	150	166¾	183½	200	216¾	233½	250
1 x 4	2½	5½	4	4¾	5½	6	6¾	7½	8	8¾	9½	10
1 x 6	4	5	6	7	8	9	10	11	12	13	14	15
1 x 8	5½	6¾	8	9¾	10¾	12	13½	14¾	16	17½	18¾	20
1 x 10	6¾	8½	10	11½	13½	15	16¾	18½	20	21¾	23½	25
1 x 12	8	10	12	14	16	18	20	22	24	26	28	30

### WEIGHT OF LUMBER, Etc., DRY.

Flooring, dressed and matched.....	per 1,000 ft.....	1,800 lbs	Boards and Dimensions, Rough.....	per 1,000 ft.....	2,400 lbs
Poplar Box Boards.....	" 1,000 "	2,000 "	Shingles.....	" 1,000 pcs.....	240 "
Siding, dressed.....	" 1,000 "	800 "	Lath.....	" 1,000 "	500 "
Ceiling, ¾-inch thick.....	" 1,000 "	800 "	Pickets, dressed.....	" 1,000 "	1,800 "
" ½-inch thick.....	" 1,000 "	900 "	" rough.....	" 1,000 "	2,400 "
Boards, dressed one side.....	" 1,000 "	2,000 "			

### SIZES OF BOXES FOR DIFFERENT MEASURES.

A box 54 inches long by 16 inches wide and 28 inches deep will contain a barrel or three bushels..... A box 24 inches long by 16 inches wide and 14 inches deep will contain half a barrel..... A box 16 inches square and 82-5 inches deep will contain one bushel..... A box 16 inches by 82-5 inches wide and 8 inches deep will contain half a bushel.... A box 8 inches by 82-5 inches and 8 inches deep will contain one peck.... A box 8 inches by 8 inches and 41-5 inches deep will contain one gallon..... A box 8 inches by 4 inches and 41-5 inches deep will contain half a gallon..... A box 4 inches by 4 inches and 41-5 inches deep will contain one quart..... A box 4 feet long, 3 feet 5 inches wide and 2 feet 8 inches deep will contain one ton of coal.



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Drums, White . . . 8c  
Drums, Colors . . . 9c  
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LIENO can be used with success where everything else fails. Try it.

For stopping walls, modeling or free-hand relief work, LIENO has no equal, as it will not crack, chip or fall off.

LIENO can be used as an outside primer or filler for brick, wood, stone or iron walls. It is also fire-proof, and for this reason can be used to great advantage in all kinds of factories, besides costing less than oil paint.

**We Manufacture**



ALABASTER CEMENT PLASTER  
CHAMPION CALCINED PLASTER  
CASTING PLASTER  
DENTAL PLASTER  
LAND PLASTER  
LIENO WALL FINISH AND THE  
PRODUCTS OF GYPSUM GENERALLY